

# DAVEY Firefighter®



5113HE with  
Honda GX/E  
Engine

Model Number:  
5190HE, 5113HE



## HIGH POWERED SINGLE STAGE SELF PRIMING PUMP

### APPLICATION

Ideal for firefighting, tanker to tanker water transfer, high head general water transfer, sheep jetting, irrigation, boom spraying and travelling irrigators.

### FEATURES & BENEFITS

- **Driven by a 270cc or 389cc Honda GX/E engine** fitted with an electric start.
- **Heavy duty wide vane impeller** or longer life, improved performance and easier cleaning in the case of blockage.
- **Single impeller design** provides the versatility of high flow rates with strong pressure.
- **Thrust balanced impeller design** to extend engine life.
- **Pump casing, diffusers and impellers manufactured from quality corrosion resistant marine grade aluminium** for long life.
- **NEW 3 way discharge port for easy installation with a choice of plumbing sizes.** The NEW 3 way discharge is easily adapted to the old 3 way outlets.
- **Polyester coated pump casing, exterior and interior,** for added corrosion resistance.
- **Self priming from 6m** for more versatile installation options.
- **Patented floating impeller neckrings front and back.** The front neckring helps improve pumping efficiency, the back neckring helps extend seal life and dramatically reduce engine wear.
- **Huge 1½" priming port** for extra quick filling.
- **Large drain port with bayonet fit plugs.** Plugs have safety retention system.
- **Low-oil protection on all models** - engines won't start or run if oil level is inadequate, thus protecting your engine.
- **All engines feature cast iron cylinder bore** for long life.
- **Electric starter (12Vac 30Amp hour battery and leads required) and recoil starter fitted,** ensures a choice of starting methods, even if the battery is flat or removed.
- **Viton seal and o-ring kit available** for herbicide/ insecticide spraying.

# Self Priming Pumps

## OPERATING LIMITS

Flow capacities to	900 lpm
Maximum total head	54m
Maximum suction lift	6m
Maximum water temperature	50°C
Minimum water temperature	1°C
Minimum suction pipe size	2"
Suction pipe strainer	Required
Inlet size*	2" BSP(M)
Outlet sizes^	1 x 2" BSP(M)
	2 x 1" BSP(M)
Priming port*	1 x 1 1/2" BSP(M)

\*NPT thread available on request

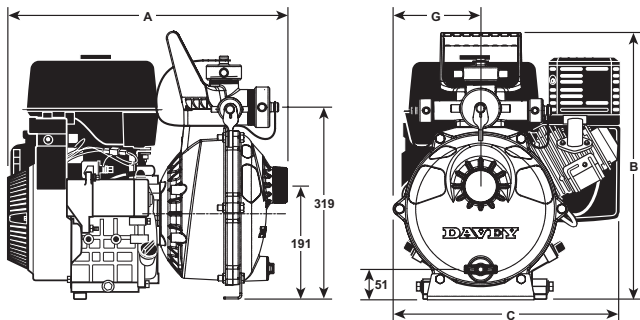
^1 x 1 1/2" & 2 x 1" NPT outlet tee available on request

## ENGINE SPECIFICATIONS

Engine Brand	Honda	
Engine model	GX270E	GX390E
Twin Stage Pump Model	5190HE	5113HE
"Out of box" governed max engine speed @ no load	3800rpm	
Displacement (cc)	270	389
Fuel tank (litres)	6.0	6.5
Approx. fuel consumption @ full load @ 3600rpm	3.05	3.25
Running time per tank @ full load @ 3600rpm	1.9	2.0
Oil capacity (litres)	1.1	
Spark arrestor	Yes	
dBa @ 3600rpm @ full load	79 @ 7m	78 @ 7m

## DIMENSIONS (mm)

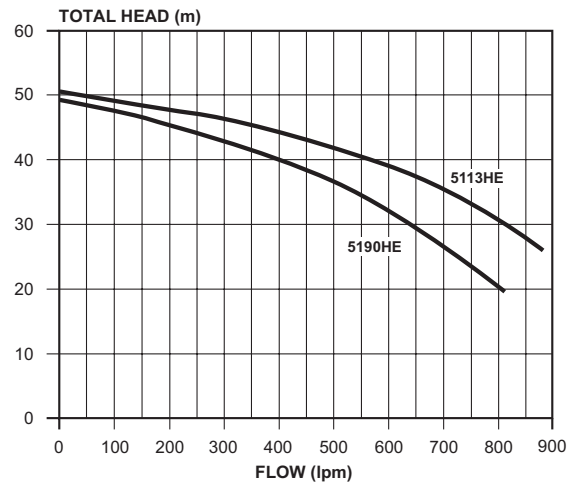
Model	A	B	C	G	Inlet BSP	Outlet BSP	Priming Port BSP	Dry Weight (kg)
5190HE	507	450	435	155	2"M	2x1"M 1x2"M	1 1/2"M	27.2
5113HE	532	445	455	161	2"M	2x1"M 1x2"M	1 1/2"M	33.5



## MATERIALS OF CONSTRUCTION

PART	MATERIAL
Suction cover	Marine grade aluminium (AS605)
Diffuser	Marine grade aluminium (AS605)
Impeller	Marine grade aluminium (AS605)
Casing / yoke	Marine grade aluminium (AS605)
Mechanical seal	Carbon / ceramic
3 way discharge	Marine grade aluminium (AS605)
Casing bolts	Zinc plated steel
Yoke bolts	Stainless Steel
Flap valve / seal ring	Zinc body, hytrel seal
Neck ring, priming and drain plug	Glass filled nylon
Casing, priming and drain plug o-ring	Nitrile rubber
Discharge gasket	Hytrel
Paint finish	Baked polyester powder coat

## HYDRAULIC PERFORMANCE



## INSTALLATION AND PRIMING

- Fit strainer to bottom of suction pipe; a foot valve is not required.
- To prime, fill pump body with water then allow pump to run until drawing water.